



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

Centria, Inc.

1005 Beaver Grade Road

Moon Township, PA 15108

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "Formavue FV400HR" Aluminum Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. 001, titled Series "Formavue FV400HR Window System", sheets 1 through 11 of 11, dated 10/16/09 with the latest revision, dated 08/30/12, prepared by manufacture, signed and sealed by John Pflugh, P. E., bearing the Miami-Dade County Product Control Section Approval stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



J. Gascon
9/20/12

NOA No. 09-1117.02

Expiration Date: September 27, 2017

Approval Date: September 27, 2012

Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **001**, titled Series "Formavue FV400HR Window System", sheets 1 through 11 of 11, dated 10/16/09 with the latest revision, dated 08/30/12, prepared by manufacture, signed and sealed by John Pflugh, P. E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum fixed window system, prepared by Farabaugh Engineering and Testing, Inc., Test Report No. **FET-T2008-09**, dated 07/08/09, signed and sealed by Daniel G. Farabaugh, P.E.

C. CALCULATIONS

1. Anchor calculations and structural analysis, complying with FBC-2010, prepared by manufacture, dated 08/10/12, signed and sealed by John Pflugh, P. E.
2. **Glazing complies with ASTM E1300-04**

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

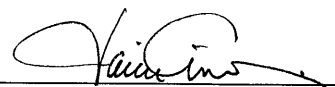
1. Notice of Acceptance No. **11-1102.09** issued to **Solutia, Inc.** for their "**Saflex CP – Saflex and Saflex HP Composite Glass Interlayers with PET Core**" dated 06/14/12, expiring on 12/11/13

F. STATEMENTS

1. Statement letter of no financial interest, conformance and complying with FBC-2010, issued by manufacture, dated 09/19/12, signed and sealed by John Pflugh, P. E.
2. Laboratory addendum letter for Test Report No. **FET-T208-09**, issued by Farabaugh Engineering and Testing, Inc., dated 06/24/11, signed and sealed by Daniel G. Farabaugh, P. E.
3. Laboratory compliance letter for Test Report No. **FET-T208-09**, issued by Farabaugh Engineering and Testing, Inc., dated 07/08/09, signed and sealed by Daniel G. Farabaugh, P. E.

G. OTHERS

1. None.



Jaime D. Gascon, P. E.

Product Control Section Supervisor

NOA No. 09-1117.02

Expiration Date: September 27, 2017

Approval Date: September 27, 2012

GENERAL NOTES

This window system had been tested, analyzed and approved for use in HVHZ and non-HVHZ areas for pressures not to exceed the following:

ALLOWABLE DESIGN PRESSURE: + or -90 PSF

Maximum window module height is 6'-0 (5'-6 Day Light Opening). Windows may be stacked any number of units high.

Maximum window module width is 6'-0 (5'-9 Day Light Opening). Windows may be joined any number of units wide.

Structural supports and anchorage must be designed, erected and installed to support the loads transmitted by this window system:

Materials, including steel screws, that contact dissimilar materials shall meet the requirements of the 2010 Florida Building Code, Section 2003.8.4.

This window system is in conformance with the 2010 Florida Building Code and was tested in accordance with Test Protocols TAS-201, TAS-202 and TAS-203 for large missile impact ONLY.

Impact shutters are not required for this window system.

MATERIAL SPECIFICATIONS

Norton Thermalbond V2110 Polyurethane Foam Spacer Tape by Saint-Gobain Performance Plastics, Granville, NY.

1/4"-14 304 SS Fasteners by Atlas Bolt and Screw Company, Ashland, OH.

#12-14 304 SS Fasteners by Atlas Bolt and Screw Company, Ashland, OH.

#12-14 SS Pancake Head Fastener by Triangle Fastener Corporation, Pittsburgh, PA.

FWS88 Silicone Gasket by Tremco, Inc., Ashland, OH. Durometer 65 ±5.

FWS90 Setting Block by Tremco, Inc., Ashland, OH. Durometer 85 ±5.

DC995 Silicone Structural Sealant by Dow Corning Corporation, Midland, MI.

Extrusions - 6063-T5 Aluminum

Steel tube supports per sized per job requirements, minimum 4"deep x 2"wide x 3/16"wall thickness.

Angle Clips - 4x4x1/4"-ASTM A-36, 36 ksi.

Glazing

1 3/32" Insulating Glazing Units Composed of:

3/16" Clear Tempered glass (Outboard lite)

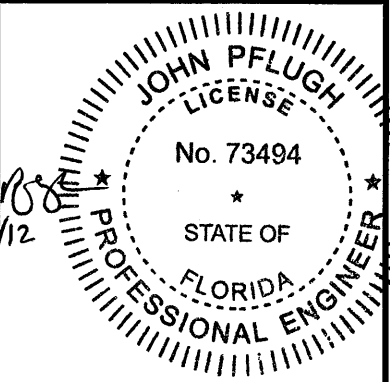
7/16" Air Space, Metal spacer

3/16" Clear HS glass


.100 Solutia Saflex PVB Interlayer

3/16" Clear HS glass

John Pflugh
9/30/12



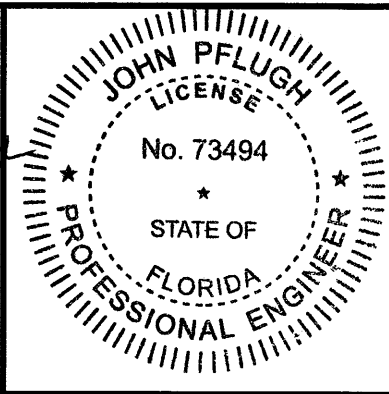
Approved as complying with the
Florida Building Code
Date 09/27/2012
NOA# 09-1117.02
Miami Dade Product Control
By [Signature]

**CENTRIA, INC**
1005 BEAVER CREEK ROAD
MOON TWP, PA 15108-2844
PHONE 800 789 7474

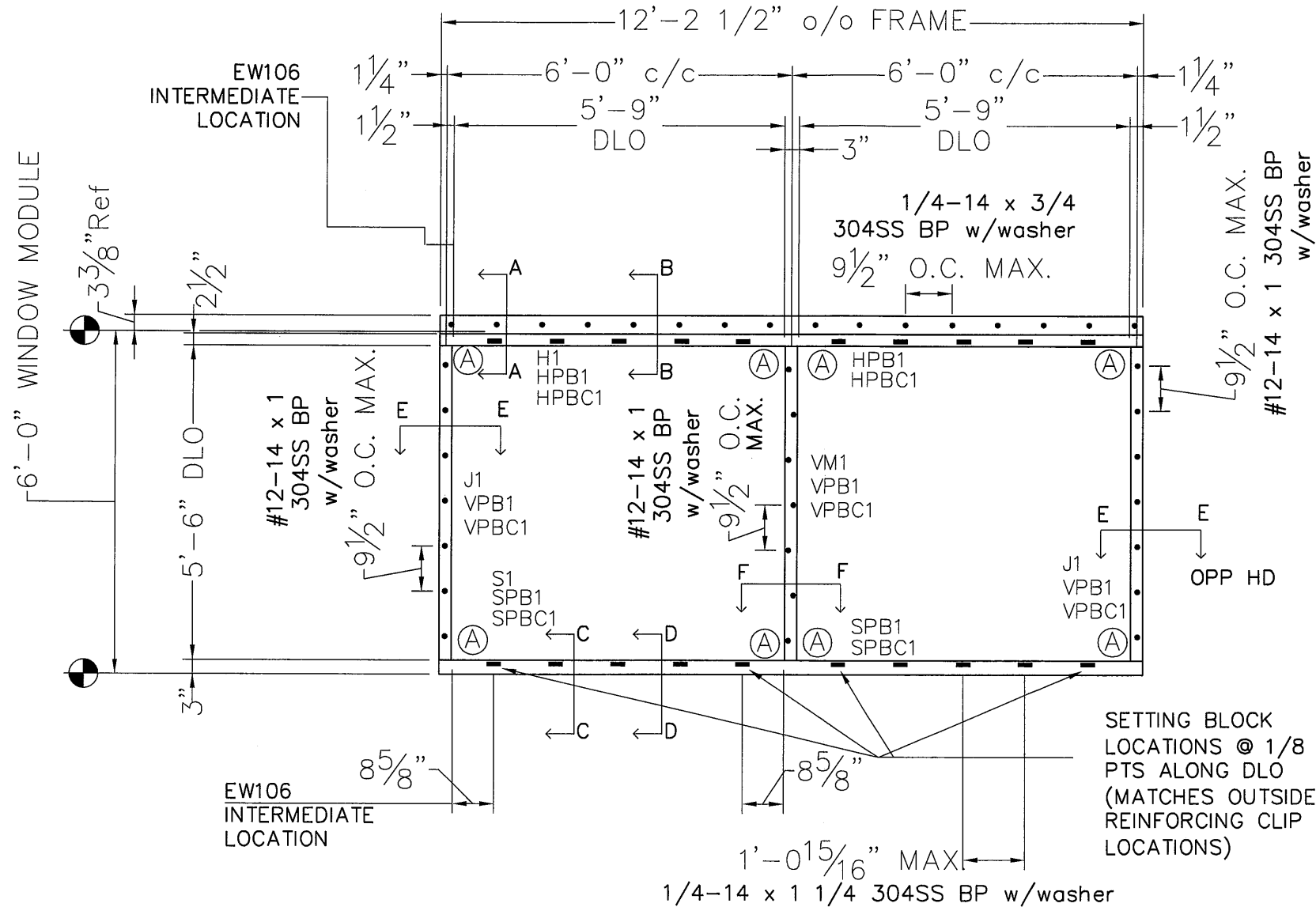
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DATE: 10-16-09	DATE: 10-16-09

FORMAVUE FV400HR
WINDOW SYSTEM
GENERAL NOTES

ISSUE#	DATE:
ISSUE# 1	DATE:
ISSUE# 0	DATE: 10-16-09
DRAWING NO. 001	
SHEET NO. 1 of 11	



John Pflugh
8/27/12



WINDOW FRAMING ELEVATION

EW106 ANCHOR CLIP	
SILL	REINFORCING DEFLECTION CLIP (—) 3/GLASS LITE/SILL 3 INCH LONG
	ANCHOR CLIP (A) 2/GLASS LITE/SILL ONE INCH LONG
HEAD	REINFORCING DEFLECTION CLIP (—) ONE/GLASS LITE/HEAD 3 INCH LONG
	ANCHOR CLIP (A) 2/GLASS LITE/HEAD ONE INCH LONG

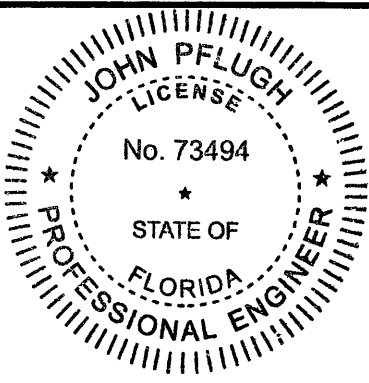
Approved as complying with the Florida Building Code
Date: 8/27/2012
NOA# 07-1117.02
Miami Date Product Control
By: [Signature]

CENTRIA, INC
1005 BEAVER GRADE ROAD
MOON TWP, PA 15108-2944
PHONE 800 788 7474

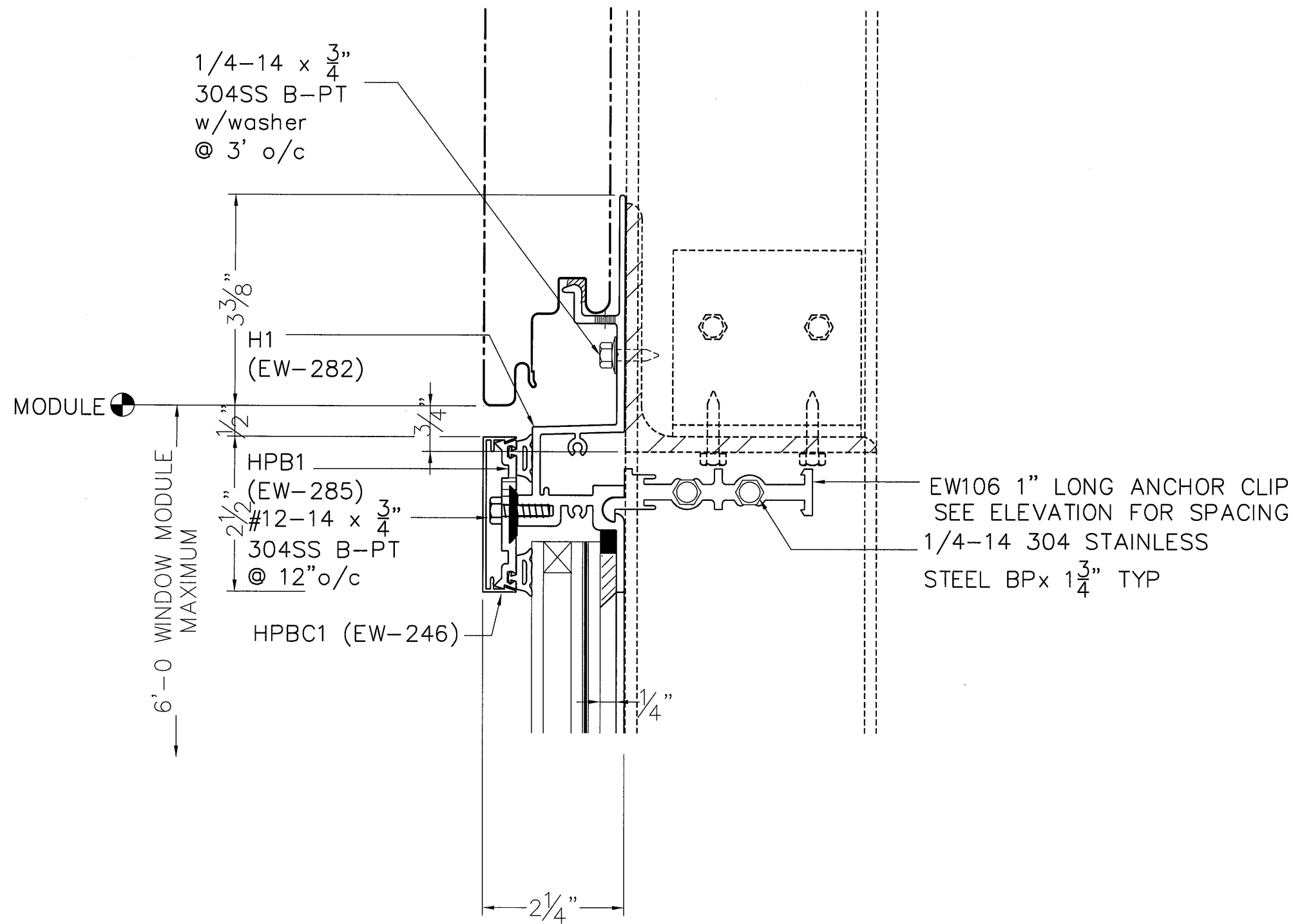
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DATE: 10-16-09 DATE: 10-16-09

FORMAVUE FV400HR
WINDOW SYSTEM
WINDOW ELEVATION

ISSUE#	DATE:
ISSUE#	DATE:
ISSUE# 0	DATE: 10-16-09
DRAWING NO.	001
SHEET NO.	2 of 11




John P. Pflugh
8/30/12



SECTION AA

TYPICAL SECTION THRU WINDOW HEAD
AT JAMBS AND VERTICAL MULLION
SEE GLAZING DETAILS SHEET 11

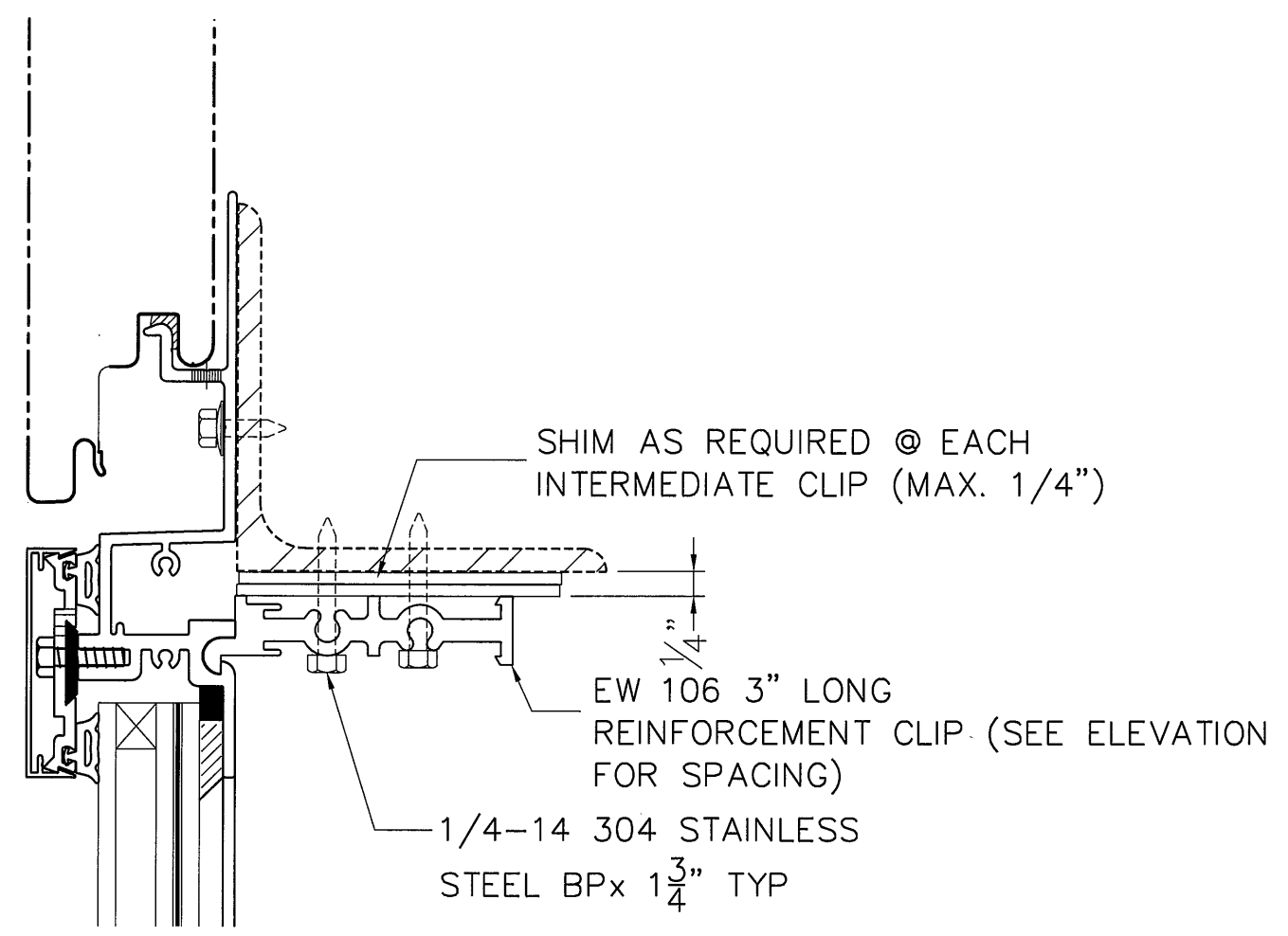
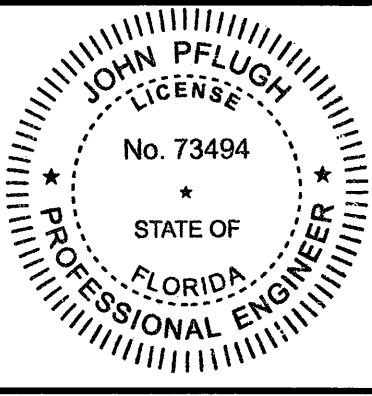
Approved as complying with the
Florida Building Code
Date 09/27/2012
NOA# 09-1117.02
Miami Dade Product Control
By [Signature]

 CENTRIA, INC 1005 BEAVER GRADE ROAD MOON TWP, PA 15108-2944 PHONE 800 789 7474	
DWN. BY: RLB	CHK. BY: DMB
DATE: 10-16-09	DATE: 10-16-09

FORMAVUE FV400HR
WINDOW SYSTEM
DETAILS

ISSUE#	DATE:
ISSUE#	DATE:
ISSUE# 0	DATE: 10-16-09
DRAWING NO.	001
SHEET NO.	3 of 11


John E. Pflugh
3/30/12

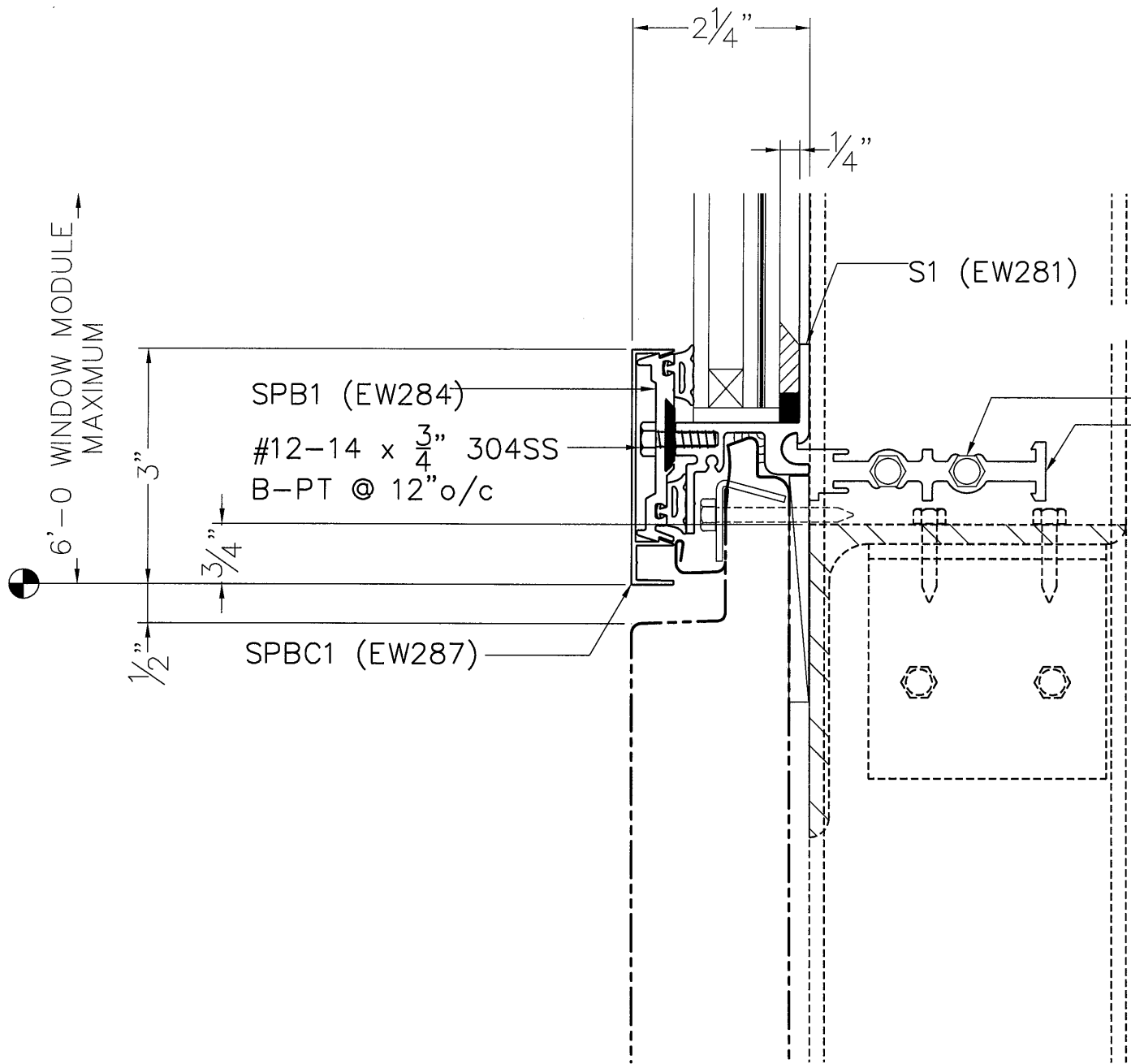


FOR PARTS NOT NOTED WORK WITH
DRAWING 3 of 9 - SECTION AA

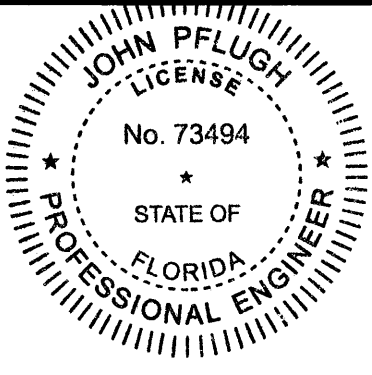
SECTION BB
TYPICAL SECTION THRU WINDOW HEAD
AT INTERMEDIATE DEFLECITON CLIP

Approved as complying with the
Florida Building Code
Date 09/27/2012
NOA# 09-1117.02
Miami-Dade Product Control
By [Signature]

 CENTRIA, INC 1005 BEAVER GRADE ROAD MOON TWP, PA 15108-2844 PHONE 800 788 7474	FORMAVUE FV400HR WINDOW SYSTEM DETAILS		ISSUE# 0	DATE: 10-16-09
			DRAWING NO. 001	
			SHEET NO. 4 of 11	
DWN. BY: RoB	CHK. BY: DMB			
DATE: 10-16-09	DATE: 10-16-09			



John E. Pflugh
8/30/12



1/4-14 304SS BPx 1 3/4" TYP
EW106 1" LONG ANCHOR CLIP (SEE ELEVATION FOR LOCATIONS)

SECTION CC

TYPICAL SECTION THRU WINDOW SILL
AT JAMBS AND VERTICAL MULLION
SEE GLAZING DETAILS SHEET 11

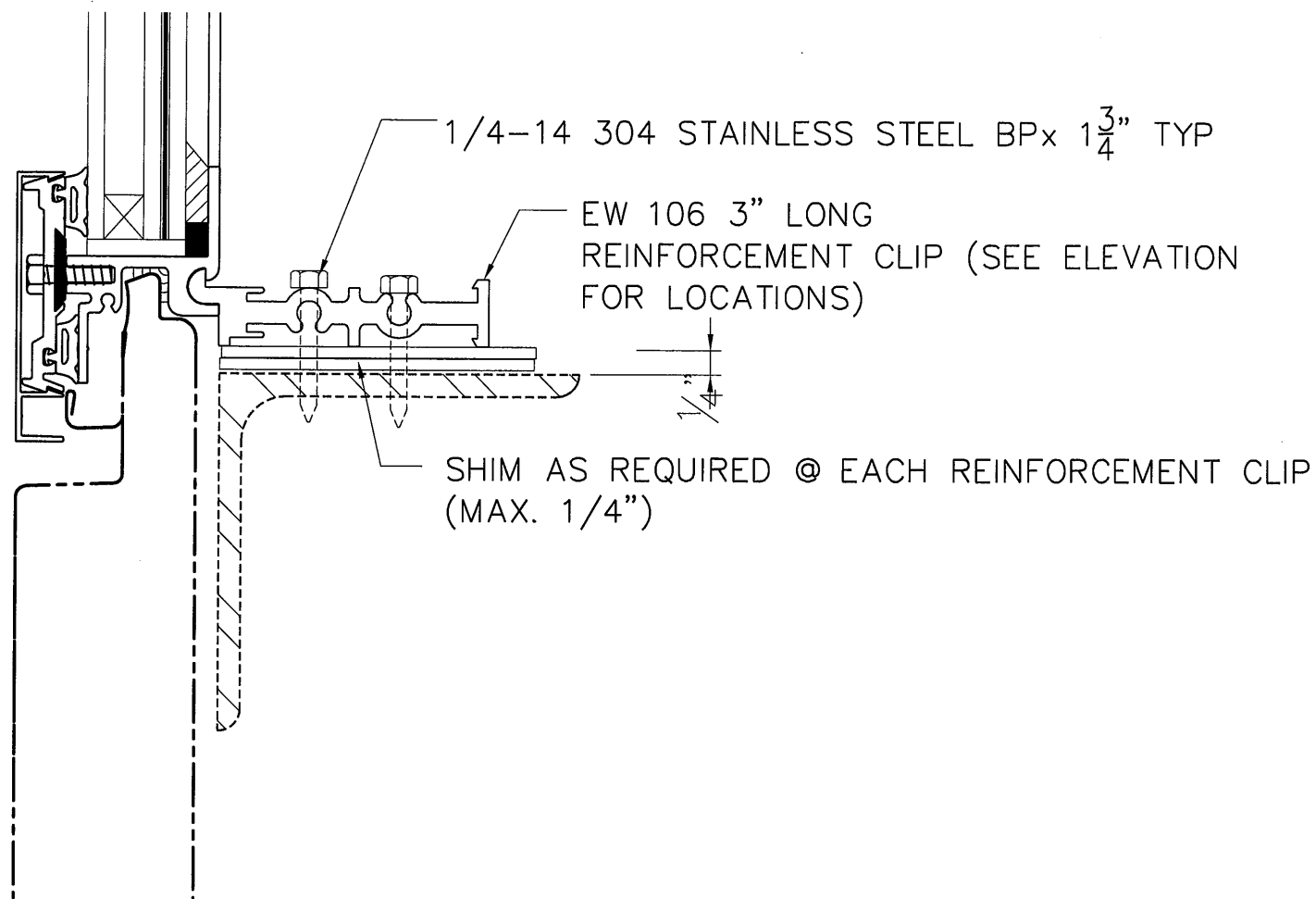
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Florida Building Code
Date 09-11-2012
NOA# 09-1117.02
Miami-Dade Product Control
By *[Signature]*

CENTRIA, INC
1005 BEAVER GRADE ROAD
MOON TWP, PA 15108-2844
PHONE 800 789 7474

DWN. BY: R.e.B	CHK. BY: DMB
DATE: 10-16-09	DATE: 10-16-09

**FORMAVUE FV400HR
WINDOW SYSTEM
DETAILS**

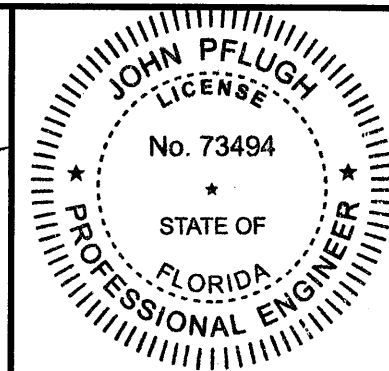
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ISSUE#	DATE:
ISSUE# 0	DATE: 10-16-09
DRAWING NO.	001
SHEET NO.	5 of 11



FOR PARTS NOT NOTED WORK
WITH DRAWING 5 of 9 – SECTION CC

SECTION DD
TYPICAL SECTION THRU WINDOW SILL
AT INTERMEDIATE DEFLECTION CLIP

John E. Pflugh
8/31/12



Approved as complying with the
Florida Building Code
Date 08/27/2012
NOA# 09-1117.02
Miami Dade Product Control
By [Signature]

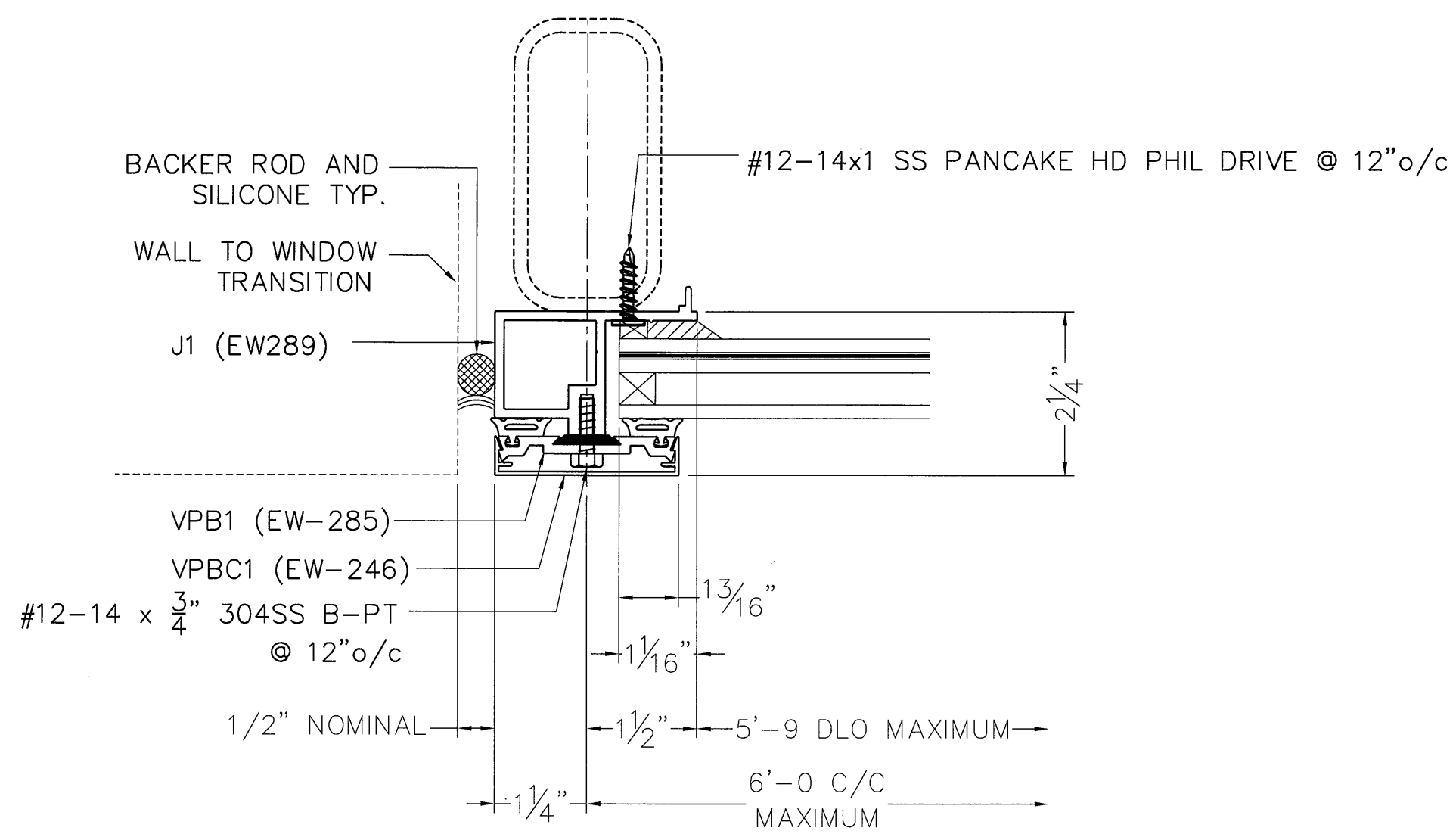
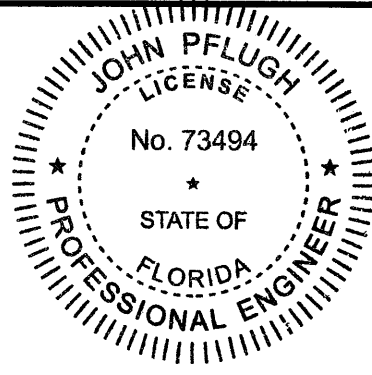
CENTRIA, INC
1005 BEAVER GRADE ROAD
MOON TWP, PA 15108-2944
PHONE 800 788 7474

DWN. BY: RoB	CHK. BY: DMB
DATE: 10-16-09	DATE: 10-16-09

FORMAVUE FV400HR
WINDOW SYSTEM
DETAILS

ISSUE#	DATE:
ISSUE#	DATE:
ISSUE# 0	DATE: 10-16-09
DRAWING NO.	001
SHEET NO.	6 of 11

John E. Pflugh
8/30/12



SECTION EE
TYPICAL SECTION THRU WINDOW JAMB
SEE GLAZING DETAILS SHEET 11

Approved as complying with the
Florida Building Code
Date 09/27/2012
NOA# 09-1117.02
Miami-Dade Product Control
By [Signature]

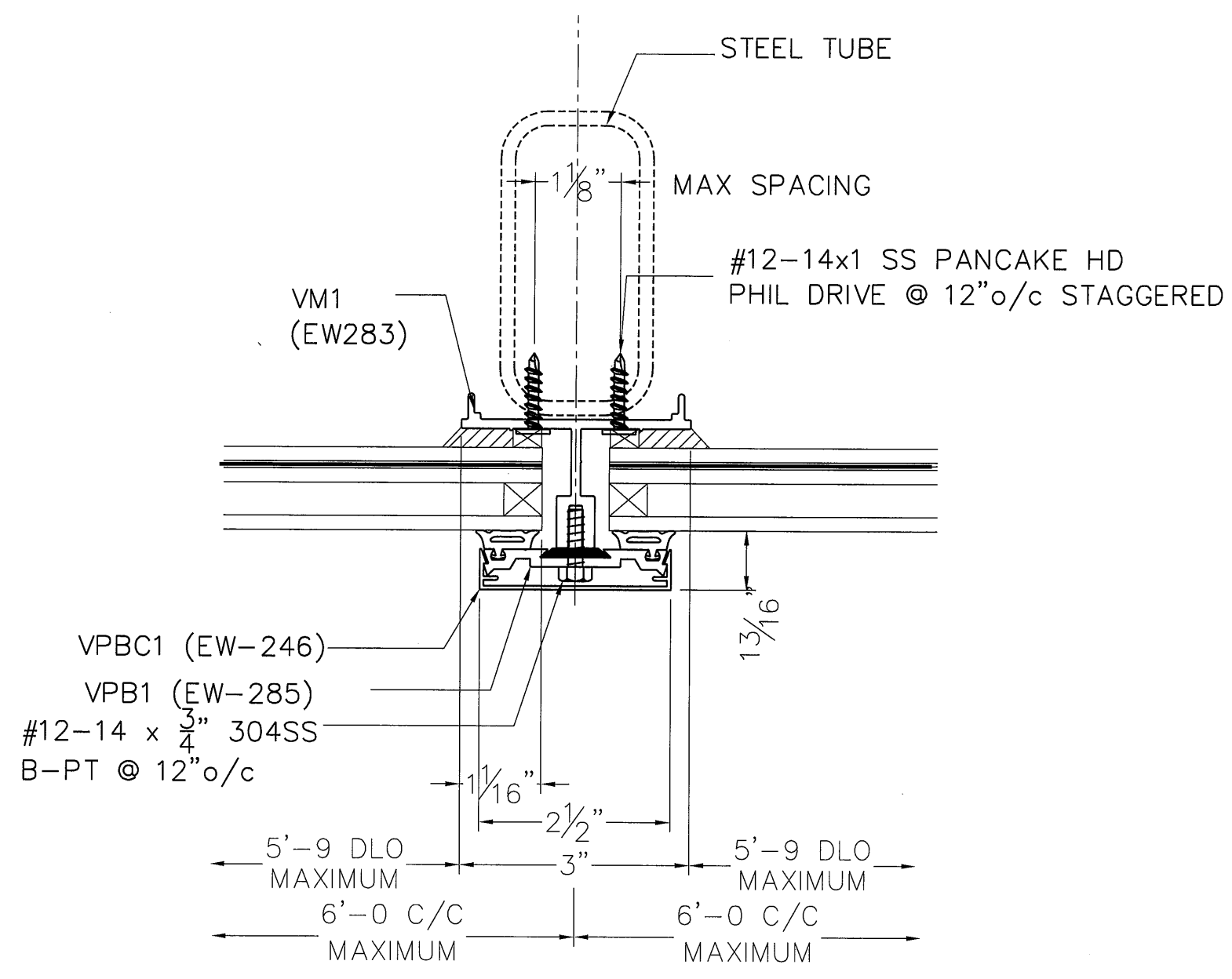
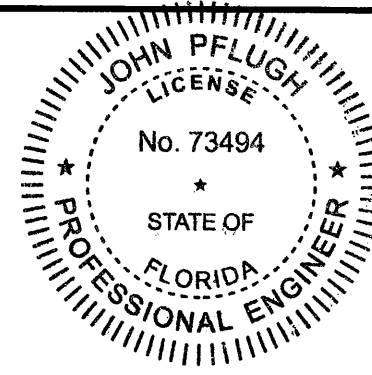
CENTRIA, INC
1005 BEAVER GRADE ROAD
MOON TWP, PA 15108-2844
PHONE 800 789 7474

DWN. BY: RLB	CHK. BY: DMB
DATE: 10-16-09	DATE: 10-16-09

**FORMAVUE FV400HR
WINDOW SYSTEM
DETAILS**

ISSUE#	DATE:
ISSUE#	DATE:
ISSUE# 0	DATE: 10-16-09
DRAWING NO.	001
SHEET NO.	7 of 11

John E. Pflugh
8/30/12



SECTION FF
TYPICAL SECTION THRU MULLION
SEE GLAZING DETAILS SHEET 11

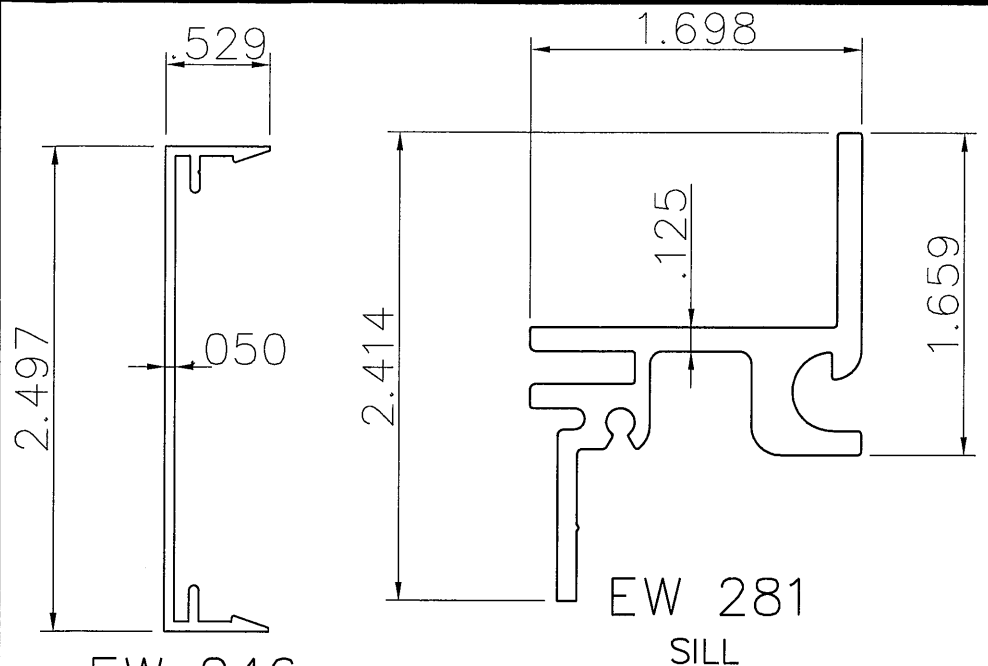
Approved as complying with the
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Date 8/27/2012
NOA# 09-1117.02
Miami Dade Product Control
By [Signature]

CENTRIA, INC
1005 BEAVER GRADE ROAD
MOON TWP, PA 15108-2944
PHONE 800 789 7474

DWN. BY: RLB CHK. BY: DMB
DATE: 10-16-09 DATE: 10-16-09

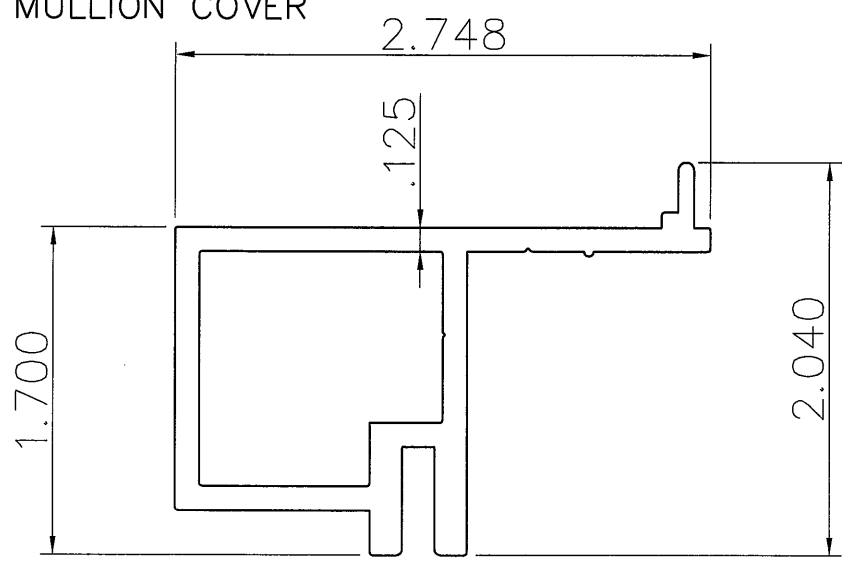
**FORMAVUE FV400HR
WINDOW SYSTEM
DETAILS**

ISSUE#	DATE:
ISSUE#	DATE:
ISSUE# 0	DATE: 10-16-09
DRAWING NO.	001
SHEET NO.	8 of 11

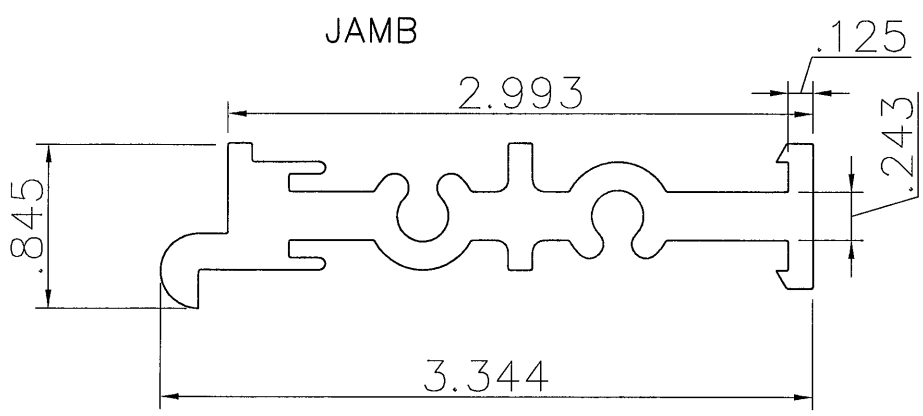


EW 246
HEAD AND
MULLION COVER

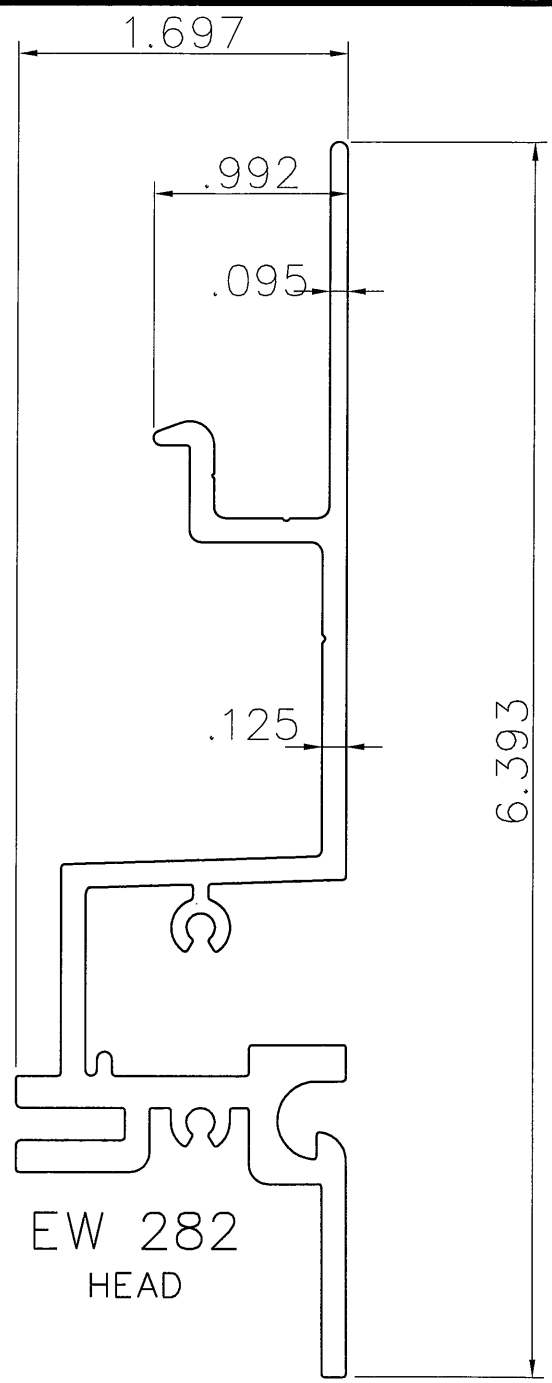
EW 281
SILL



EW 289
JAMB



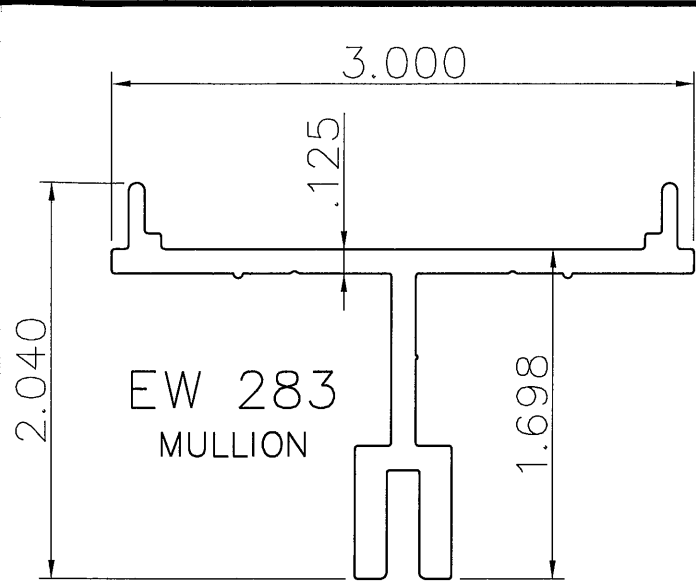
EW 106
RETAINER CLIP



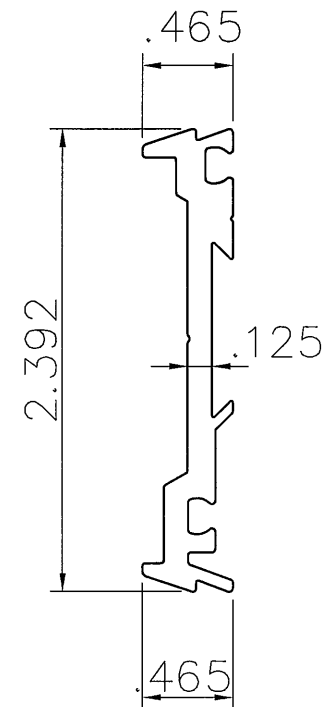
EW 282
HEAD

FV400HR
EXTRUSION CROSS
SECTIONS

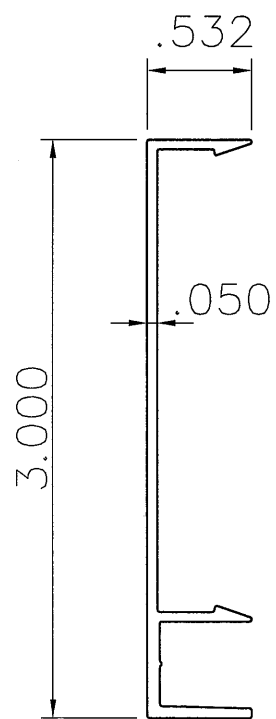
REFER TO EXTRUSION DIE
DRAWINGS FOR SPECIFIC
DIMENSIONS



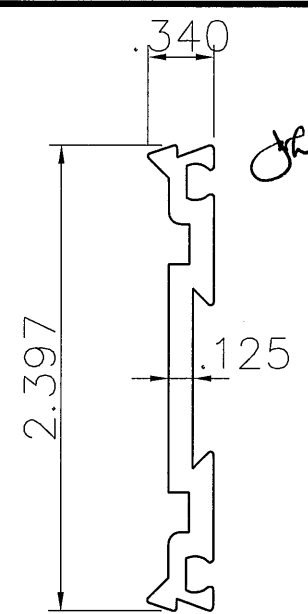
EW 283
MULLION



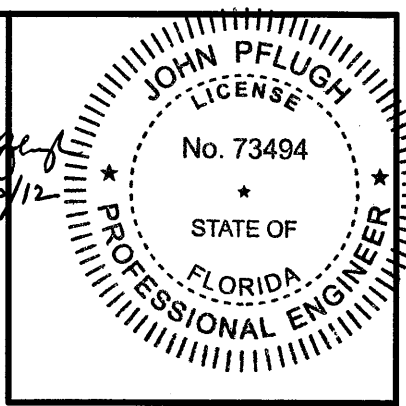
EW 284
SILL PRESSURE
BAR



EW 287
SILL PRESSURE
BAR COVER



EW 285
MULLION and
HEAD PRESSURE
BAR



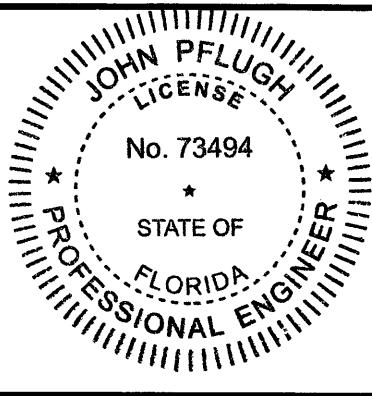
Approved as complying with the
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Date 09/27/2012
NOA# 09-1117.02
Miami Dade Product Control
By [Signature]

CENTRIA, INC
1005 BEAVER GRADE ROAD
MOON TWP, PA 15108-2844
PHONE 800 789 7474

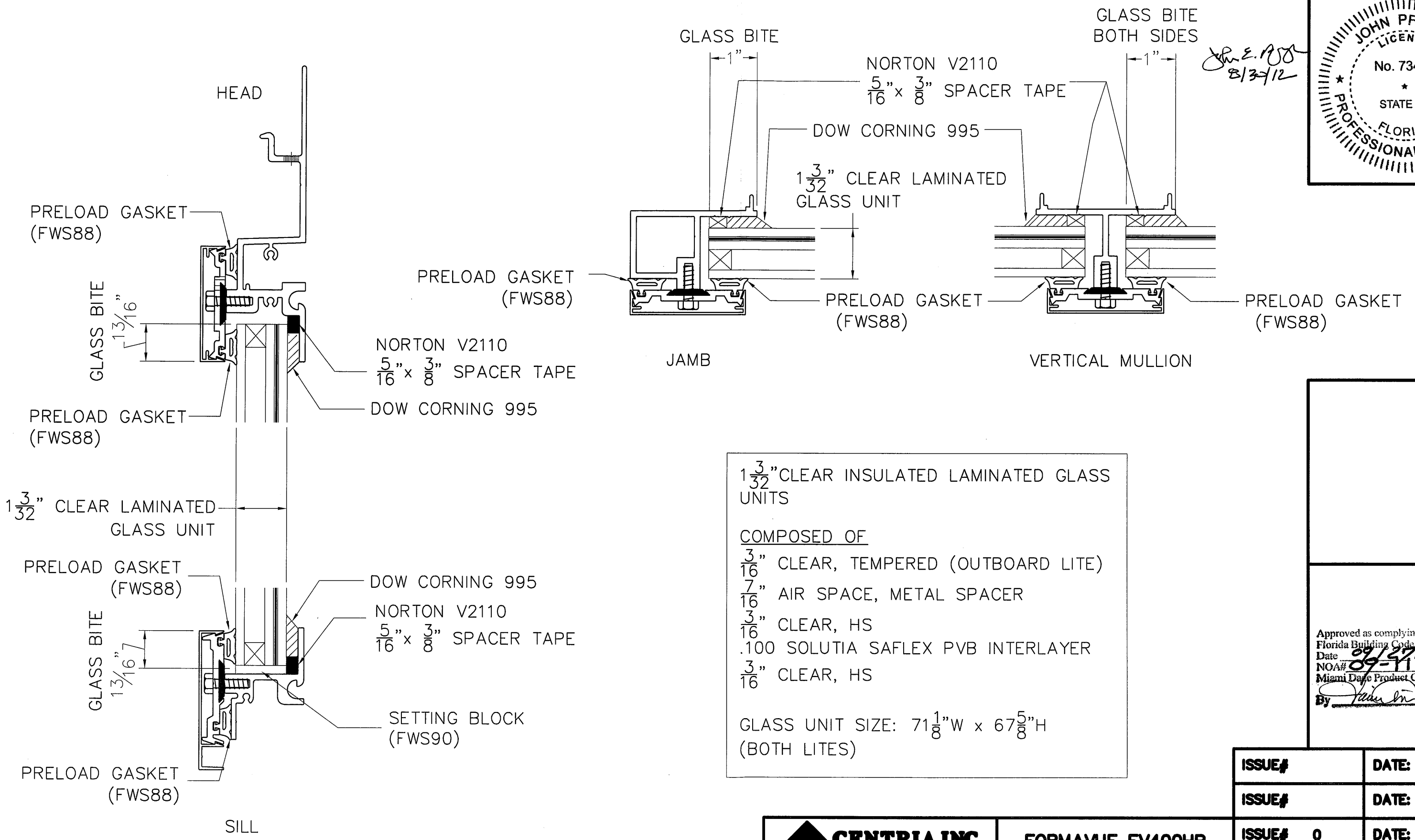
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DATE: 10-16-09 DATE: 10-16-09

**FORMAVUE FV400HR
WINDOW SYSTEM
EXTRUSIONS**

ISSUE#	DATE:
ISSUE#	DATE:
ISSUE# 0	DATE: 10-16-09
DRAWING NO.	001
SHEET NO.	9 of 11



John E. Pflugh
8/31/12



$1\frac{3}{32}$ " CLEAR INSULATED LAMINATED GLASS UNITS

COMPOSED OF

- $\frac{3}{16}$ " CLEAR, TEMPERED (OUTBOARD LITE)
- $\frac{7}{16}$ " AIR SPACE, METAL SPACER
- $\frac{3}{16}$ " CLEAR, HS
- .100 SOLUTIA SAFLEX PVB INTERLAYER
- $\frac{3}{16}$ " CLEAR, HS

GLASS UNIT SIZE: $71\frac{1}{8}$ "W x $67\frac{5}{8}$ "H (BOTH LITES)

Approved as complying with the
Florida Building Code
Date 09/27/2012
NOA# 09-1117.02
Miami Dade Product Control
By [Signature]

CENTRIA, INC
1005 BEAVER CREEK ROAD
MOON TWP, PA 15108-2944
PHONE 800 789 7474

DWN. BY: RoB CHK. BY: DMB
DATE: 10-16-09 DATE: 10-16-09

**FORMAVUE FV400HR
WINDOW SYSTEM
DETAILS**

ISSUE#	DATE:
ISSUE#	DATE:
ISSUE# 0	DATE: 10-16-09
DRAWING NO.	001
SHEET NO.	11 of 11